

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 March 2005 (03.03.2005)

PCT

(10) International Publication Number
WO 2005/018449 A1

(51) International Patent Classification⁷: **A61B 5/0484**,
5/16

(21) International Application Number:
PCT/AU2004/001100

(22) International Filing Date: 18 August 2004 (18.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003904477 21 August 2003 (21.08.2003) AU

(71) Applicant (for all designated States except US): **SSPT
PTY. LTD.** [AU/AU]; ACN 100 196 763, 34 Jeffery Street,
Blackburn, Victoria 3130 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SILBERSTEIN,
Richard, Bernard** [AU/AU]; 34 Jeffery Street, Blackburn,
Victoria 3130 (AU).

(74) Agent: **DAVIES COLLISON CAVE; PRYOR, Geof-
frey, Charles, LESLIE, Keith, WEBBER, David Brian**, 1
Nicholson Street, Melbourne, Victoria 3000 (AU).

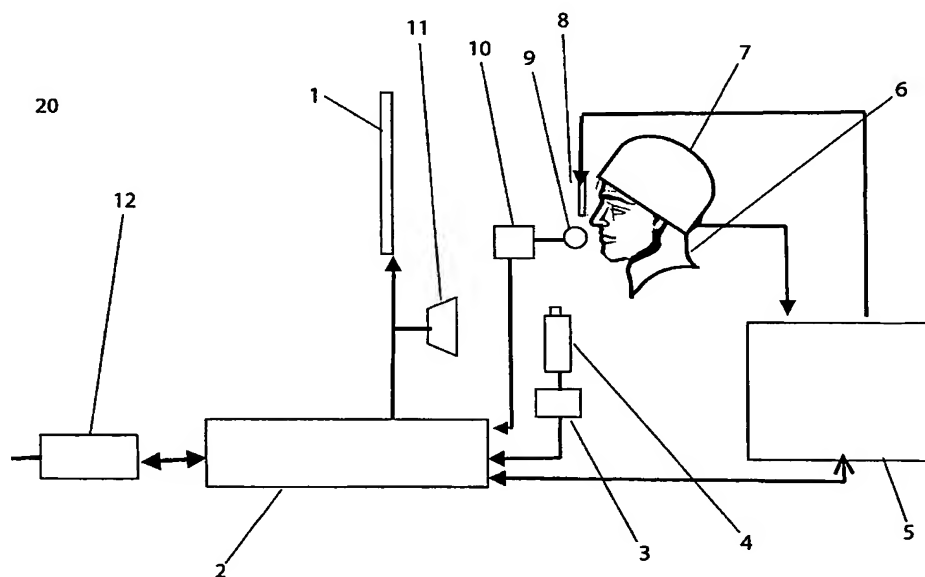
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: **APTITUDE TESTING**



(57) Abstract: A method of assessing the cognitive aptitude of a subject to a predetermined task, the method including the steps of:
(i) presenting to the subject a group of cognitive tasks; (ii) detecting brain response signals from the subject during presentation of the group of cognitive tasks; (iii) calculating SSVEP amplitude, phase and/or coherence responses from the brain response signals; and (iv) comparing the SSVEP responses to known SSVEP responses obtained from individuals with high and/or low aptitudes to the predetermined task in order to assess the subject's aptitude for the predetermined task.

WO 2005/018449 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.